GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:4833
ANSWERED ON:24.08.2000
POTENTIAL OF NCES
PRABHAT KUMAR SAMANTARAY

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether the Government have made any assessment on the potential of Non-conventional energy sources in Eastern States;

(b) if so, the details thereof;

(c) the steps taken for proper exploitation of the Non-conventional energy sources;

(d) whether any plan has been formulated for Ninth Five Year Plan in this regard; and

(e) if so, the details thereof?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES (INDEPENDENT CHARGE) (SHRI M. KANNAPPAN)

(a) & (b): The Ministry of Non-Conventional Energy Sources has sponsored/ undertaken many studies which have indicated broad potentials of various Non-Conventional Energy Sources on a country-wide basis including Eastern States.The estimated potential in the States of Bihar, West Bengal and Orissa in respect of Biogas, Improved Chulhas, Small Hydro Power (upto 15 MW), Baggasse based Co-generation in Sugar Mills and Wind Power Programme, is given in Table I.

(c), (d) & (e) : The Ministry of Non-Conventional Energy Sources is implementing a wide range of programmes and providing various fiscal and financial incentives for the exploitation of Non-Conventional Energy Sources depending upon the technical feasibility and economic viability of available technologies throughout the country during the Ninth Five Year Plan. The details of physical targets fixed under various programmes of Non-Conventional Energy Sources during the Ninth Plan Period, are given in Table II.

Table - I referred to in reply to parts (a) & (b) of the Lok Sabha Unstarred Question No. 4833 to be answered on 24-8-2000 regarding Potential of NCES.

Potential Estimates for Various Non-Conventional Energy Sources in Eastern States

Sl.No.	States	Estimated Potential				
		Biogas Chulha (nos in lakhs)	Improved Power (upto 15 MW) (MW)	Small Hydro based Co-generation (MW)	Bagasse Power (MW)	Wind
1.	Bihar	9.399	123.83	252	200	-
2.	Orissa	6.055	54.55	156	-	840
3.	W. Bengal	6.950	98.72	182	-	180

MW = Mega Watt

Table-II referred to in reply to Part- (c), (d) & (e) of the Lok Sabha Unstarred Question No.4833 to be answered on 24.8.2000 regarding Potential of NCES.

DETAILS OF PHYSICAL TARGETS FIXED UNDER VARIOUS PROGRAMMES OF NON-CONVENTIONAL ENERGY SC
DURING 9TH PLAN PERIOD

Sl.No.	Programmes/ Schemes	9th Plan Physical Targets
1	Biogas	10 Lakhs
2	Community/Institutional/Night-soil based Biogas Plants	800 Nos.
3	Improved chulha	150 Lakhs
4	Biomass/ Gasifier	40 MW
5	Integrated Rural Energy Programme (IREP)	660 (Old Blocks) 200 (New Blocks)
6	Solar Photovoltaic (SPV) Programme	
	SPV Home Light	2 Lakhs
	SPV Lanterns	3 Lakhs
	SPV Power Plants	1.6 MW
7	SPV Pumps	4000 Nos.
8	Solar Thermal (ST) Energy	
	Solar Water Heating Systems (M.sq.collector area)	1.5 Lakh
	Solar Cooker	1.5 Lakh Nos.
9	Wind Pumps & Hybrid Systems	1000 Nos. 250 kW
10	Wind power	1000 MW
11	Small Hydro Power (SHP)	130 MW
	Water Mills	700 Nos.
	Renovation & Modernization	65 MW
12	Biomass Power	314 MW
13	Solar Power	141.5 MW
14	Urban & Industrial & National Bio-energy Board	42 MW

MW = Mega Watt; kW = Kilo Watt; M.sq. = Square Meter of Collector Area

15	Indian Renewable Energy Development Agency Ltd.	
	a) Equity	
	b) Technology Commercial Funds	
	Total Domestic Budgetary Source (DBS)	
16	Externally Aided Projects (EAP)	
	TOTAL Gross Budgetary Sources (GBS)	
17	Internal and Extra Budgetary Resources (IEBR)	
	Total outlay	